

09873418

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 9005-53-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN **Lignin (8CI, 9CI)** (CA INDEX NAME)
OTHER NAMES:
CN Acid-precipitable polymeric lignin
CN APPL
CN Ball-milled lignin
CN Biolignin
CN Cellulase lignin
CN DHP lignin
CN Methyllignin
CN Native lignin
CN Pepper lignin
CN Protolignin
CN Reax 31
CN Vaniol NDP
DR 8072-92-2, 9062-69-5, 56690-27-8, 37222-03-0, 37226-40-7
MF Unspecified
CI PMS, COM, MAN
PCT Manual registration, Polyother, Polyother only
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA,
CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHM,
CSNB, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, TOXCENTER, TULSA, USPAT2,
USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

24979 REFERENCES IN FILE CA (1907 TO DATE)
1629 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
24994 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 20:24:50 ON 06 JUN 2005)

FILE 'REGISTRY' ENTERED AT 20:24:59 ON 06 JUN 2005

L1 0 S LIGNIN SULFONATE/CN
L2 10 S LIGNIN SULFONATE
L3 1 S LIGNIN/CN

=> d l2 1-10

L2 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN
RN 682331-38-0 REGISTRY
ED Entered STN: 17 May 2004
CN **Lignosulfonic acid, magnesium salt, polymer with formaldehyde (9CI)** (CA
INDEX NAME)
OTHER NAMES:
CN **Formaldehyde-magnesium ligninsulfonate copolymer**
CN Formaldehyde-magnesium lignosulfonate copolymer

Blessing

09873418

MF (C H2 O . Unspecified)x
CI PMS
PCT Manual component, Polyether, Polyether formed, Polyother
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

CRN 8061-54-9
CMF Unspecified
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 50-00-0
CMF C H2 O

H₂C=O

2 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN
RN 53488-93-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN Lignosulfonic acid, calcium salt, polymer with formaldehyde and phenol
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formaldehyde, polymer with calcium lignosulfonate and phenol (9CI)
CN Phenol, polymer with calcium lignosulfonate and formaldehyde (9CI)

OTHER NAMES:

CN **Calcium lignin sulfonate-formaldehyde-phenol polymer**

MF (C6 H6 O . C H2 O . Unspecified)x
CI PMS
PCT Manual component, Phenolic resin, Polyother
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL

CM 1

CRN 8061-52-7
CMF Unspecified
CCI MAN

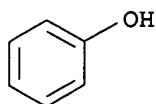
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 108-95-2
CMF C6 H6 O

Blessing

09873418



CM 3

CRN 50-00-0

CMF C H2 O

H₂C=O

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN
RN 39331-38-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN Lignosulfonic acid, iron salt (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Ex-iron
CN Ferro Life
CN Imco RD 2000
CN **Iron ligninsulfonate**
CN Iron lignosulfonate
CN Serla-Sol Fe
MF Unspecified
CI COM, MAN
LC STN Files: BIOSIS, CA, CAPLUS, CHEMLIST, IFICDB, IFIPAT, IFIUDB,
TOXCENTER, TULSA, USPAT2, USPATFULL
Other Sources: DSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
70 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
70 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN
RN 37314-65-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN Lignosulfonic acid, potassium salt (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **Lignin sulfonate potassium salt**
CN **Potassium ligninsulfonate**
CN Potassium lignosulfonate
DR 8061-55-0
MF Unspecified
CI COM, MAN
LC STN Files: CA, CAPLUS, CHEMLIST, IFICDB, IFIPAT, IFIUDB, PROMT,
TOXCENTER, TULSA, USPAT2, USPATFULL
Other Sources: DSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Blessing

09873418

89 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
89 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN
RN 9066-49-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN Lignosulfonic acid, aluminum salt (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **Aluminum ligninsulfonate**
CN Aluminum lignosulfonate
MF Unspecified
CI COM, MAN
LC STN Files: CA, CAPLUS, CHEMLIST, IFICDB, IFIPAT, IFIUDB, TOXCENTER,
TULSA, USPATFULL
Other Sources: DSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

33 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
33 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN
RN 8062-15-5 REGISTRY
ED Entered STN: 16 Nov 1984
CN Lignosulfonic acid (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Ameribond 2X
CN Borresperse 3A
CN HR 6L
CN HR 7
CN Indulin SN
CN Lignin, sulfite
CN **Ligninsulfonate**
CN Ligninsulfonic acid
CN Lignosulfate
CN Lignosulfonate
CN LST 7
CN Poly(lignosulfonic acid)
CN Protektol W
CN Sanex C
CN Sulfite lignin
CN Sulfolignin
CN Sulfonic acids, ligno
CN Sulfonyllignin
CN Vanilex HW
CN Wafex SR
DR 58318-45-9
MF Unspecified
CI PMS, COM, MAN
PCT Manual registration, Polyother, Polyother only
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CANCERLIT, CAPLUS, CASREACT, CHEMLIST, CIN, CSCHM, EMBASE, IFICDB,
IFIPAT, IFIUDB, MEDLINE, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*,
TOXCENTER, TULSA, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Blessing

09873418

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

5283 REFERENCES IN FILE CA (1907 TO DATE)
2399 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5284 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN
RN 8061-54-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN Lignosulfonic acid, magnesium salt (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Celex
CN Celex (lignosulfonate)
CN Darex WRDA
CN **Magnesium ligninsulfonate**
CN Magnesium lignosulfonate
CN San-X M
CN San-X P 321
DR 61513-03-9
MF Unspecified
CI COM, MAN
LC STN Files: AGRICOLA, BIOBUSINESS, CA, CAPLUS, CHEMLIST, CIN, CSCHM,
IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL
Other Sources: DSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

144 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
144 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 8 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN
RN 8061-53-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN Lignosulfonic acid, ammonium salt (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **Ammonium ligninsulfonate**
CN Ammonium lignosulfonate
CN Borresperse NH
CN Hansa Am-S
CN Lignosite 17
CN Lignosol NST 150
CN Lignosol TSD
CN Lignosol TSF
CN Lignosol TSF 65
CN NH 6L
CN NH 7L
CN Norlig P
CN Norlig TSD
CN Norlig TSFL
CN Norlig TSFL 4
CN Orzan A
CN Orzan AL 50
CN Orzan P
CN Peritan NH4
CN Petrolig ERA 27
CN Totanin
CN Trex LTA
CN TSSL

Blessing

09873418

CN Vixil III
CN Wanin AM
CN Zewa DIS-TR
DR 12736-99-1, 9072-35-9, 69234-32-8
MF Unspecified
CI COM, MAN
LC STN Files: AGRICOLA, AQUIRE, BIOBUSINESS, BIOSIS, CA, CABA, CAPLUS,
CHEMCATS, CHEMLIST, CSChem, IFICDB, IFIPAT, IFIUDb, MSDS-OHS, PDLCOM*,
PIRA, PROMT, TOXCENTER, TULSA, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, TSCA**
(*Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

461 REFERENCES IN FILE CA (1907 TO DATE)
36 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
461 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 9 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN
RN 8061-52-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN Lignosulfonic acid, calcium salt (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Attisol 10
CN Attisol 20
CN Bindarene
CN Borrebond powder
CN Borresperse CA
CN Borresperse CAF
CN **Calcium ligninsulfonate**
CN Calcium lignosulfate
CN Calcium lignosulfonate
CN Collex SL
CN Collex XB
CN Collex XM 1XB120
CN D 419-5
CN Darvan 4
CN Darvan 404
CN Goulac
CN Groelipel
CN Lignin calcium sulfonate
CN Ligninsulfonic acid calcium salt
CN Lignone
CN Lignosite 401
CN Lignosol B-D
CN Lignosol D 30
CN Lignosol FG
CN Lignosol HCX
CN Lignosol SF
CN Lignosol SFX
CN Mu Gai
CN Norlig A
CN Norlig MC
CN Orzan 501
CN Pearllex C
CN Pearllex CP
CN Pozzolith 8
CN San-X C
CN San-X P 200

Blessing

09873418

CN San-X P 201
CN San-X P 270
CN San-X P 501
CN SSB
CN SSB (lignosulfonate)
CN Stapel
CN Sulfonated lignin calcium salt
CN Toramil B
CN Ultrazine CA
CN Wafex Ca
CN Wafex P
CN WRB 1
DR 11138-57-1, 8076-90-2, 104782-63-0, 113609-41-9, 66198-49-0, 66198-50-3,
138861-06-0
MF Unspecified
CI COM, MAN
LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMCATS,
CHEMLIST, CIN, CSCHM, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS,
NIOSTIC, PIRA, PROMT, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB
Other Sources: DSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1325 REFERENCES IN FILE CA (1907 TO DATE)
64 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1325 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 10 OF 10 REGISTRY COPYRIGHT 2005 ACS on STN
RN 8061-51-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN Lignosulfonic acid, sodium salt (9CI) (CA INDEX NAME)
OTHER NAMES:
CN AHR 2438B
CN Betz 402
CN Borresperse N
CN Borresperse NA
CN Borresperse NA-SA
CN D 419-6
CN Diwatex 30FKP
CN FlowPro 1512
CN HR 5
CN HR 5 (cement additive)
CN Kelig 100
CN Kelig 400
CN Kraftsperse 25M
CN Ligninsulfonic acid sodium salt
CN Lignopol
CN Lignosite 431
CN Lignosite 458
CN Lignosite 823
CN Lignosite 854
CN Lignosol AXD
CN Lignosol D 10
CN Lignosol DXD
CN Lignosol FTA
CN Lignosol NSX 110

Blessing

09873418

CN Lignosol SFX 65
CN Lignosol X
CN Lignosol X 50
CN LSU
CN LSU (lignosulfate)
CN Lubricon 200F
CN Maracell C
CN Maracell E
CN Maracell XC 2
CN Maracell XE
CN Marasperse B
CN Marasperse CBA 1
CN Marasperse CBO
CN Marasperse CBOS 4
CN Marasperse CBS
CN Marasperse CBX 2
CN Marasperse N
CN Marasperse N 22
CN Neocobaltin PNA 11
CN Newkalgen RX-B
CN Norlig 12
CN Norlig 12F
CN Orzan CD
CN Orzan LS
CN Orzan S
CN Orzan SL 50
CN **Sodium ligninsulfonate**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

DR 8077-00-7, 9009-75-0, 172672-59-2, 122178-10-3, 122784-49-0, 53241-33-1,
54511-09-0, 58252-37-2, 57308-17-5, 57308-19-7, 102188-95-4, 112938-99-5,
69913-08-2, 70620-30-3, 71124-41-9, 89800-41-9, 39392-67-1, 118367-85-4,
218433-41-1, 290349-15-4

MF Unspecified

CI COM, MAN

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, CA, CAPLUS,
CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHM, DIOGENES, HSDB*, IFICDB,
IFIPAT, IFIUDB, MSDS-OHS, PDLCOM*, PIRA, PROMT, RTECS*, TOXCENTER,
TULSA, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2180 REFERENCES IN FILE CA (1907 TO DATE)
143 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2181 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Blessing